

Abstract of the Disclosure

By employing a method of producing a carbon nanotube dispersion liquid, in which a carbon nanotube modified with a basic or acidic functional group is dispersed in a polar solvent having a polarity opposite to a polarity of the functional group, there is provided a carbon nanotube dispersion liquid having a high dispersion stability, in which a carbon nanotube is uniformly dispersed without using any surfactant or the like. By using the carbon nanotube dispersion liquid, a polymer composite in which a carbon nanotube is uniformly dispersed without being mixed with an impurity can be provided. In addition, a method for producing the polymer composite by relatively simple procedures is also provided.